Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/07/2015 11:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125081	0	5.84	124936	5.96
Blue	F	SSC	125000	122602	-2	8.05	123780	8.09
Blue	E	FITC	17998	17496	-3	5.58	988	11.06
Blue	D	PE	23234	22720	-3	5.28	1025	10.15
Blue	B	PerCP-Cy5-5	69571	69170	-1	5.60	1819	15.13
Blue	A	PE-Cy7	77815	76432	-2	6.26	999	27.36
Red	C	APC	65936	65619	-1	2.82	3710	8.70
Red	A	APC-Cy7	100669	100749	0	2.95	1989	8.52
Violet	B	V450	10405	10046	-4	5.90	627	10.77
Violet	A	V500	47250	46488	-2	5.79	2633	8.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18635	16.18	617	38	N/A	N/A	Pass
Blue	F	SSC	60738	7.10	524	35	N/A	N/A	Pass
Blue	E	FITC	107	36.24	538	23	0.0197	0	Pass
Blue	D	PE	209	26.96	530	23	0.1421	129	Pass
Blue	B	PerCP-Cy5-5	215	41.77	617	27	0.0093	0	Pass
Blue	A	PE-Cy7	70	110.57	674	28	0.0126	10	Pass
Red	C	APC	342	27.09	588	10	0.0183	0	Pass
Red	A	APC-Cy7	124	38.05	568	9	0.0042	355	Pass
Violet	B	V450	66	48.31	473	23	0.0273	1379	Pass
Violet	A	V500	170	25.36	514	26	0.0101	82	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.63	-31.37	0.75
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.19
Red	15.13	13.07 - 19.61	N/A	N/A	31.79	32.10	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 13662

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments